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FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
Carl A. Priddy	03-709	7905	
	EXAMINER		
MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP		DANG, DUY M	
	ART UNIT	PAPER NUMBER	
	2624		
	Carl A. Priddy	Carl A. Priddy 03-709 EXAM T & BERGHOFF LLP DANG, 1	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/630,508	PRIDDY, CARL A.	
Office Action Summary	Examiner	Art Unit	
	Duy M. Dang	2624	
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with th	e correspondence addres	s
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailir earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICAT 136(a). In no event, however, may a reply b will apply and will expire SIX (6) MONTHS to the, cause the application to become ABANDO	ION. e timely filed rom the mailing date of this commu DNED (35 U.S.C. § 133).	
Status			
Responsive to communication(s) filed on 29 √ This action is FINAL . 2b) ☐ This action is FINAL . Since this application is in condition for allowed closed in accordance with the practice under	s action is non-final. ance except for formal matters,	•	erits is
Disposition of Claims			
4) Claim(s) 1-13 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1-13 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o Application Papers 9) The specification is objected to by the Examination 10) The drawing(s) filed on is/are: a) accompany and applicant may not request that any objection to the Replacement drawing sheet(s) including the correction	even from consideration. or election requirement. er. cepted or b) objected to by the drawing(s) be held in abeyance.	See 37 CFR 1.85(a).	.121(d).
11)☐ The oath or declaration is objected to by the E	xaminer. Note the attached Off	ice Action or form PTO-1	52.
Priority under 35 U.S.C. § 119			
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureat * See the attached detailed Office action for a list 	nts have been received. Its have been received in Applicate the contract of t	cation Noeived in this National Stag	ge
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 12/29/03 + 11/26/04.	4) Interview Summ Paper No(s)/Mai 5) Notice of Inform 6) Other:	l Date	

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DETAILED ACTION

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-13 are rejected under 35 U.S.C. 102(b) as being anticipated by the User's Guide

to Math Works provided by Applicant's IDS filed on November 26, 2004 (referred as the

Guide).

Regarding claim 1, the Guide teaches a method for creating a mask isolating a region of

interest in an image and deleting information in said image peripheral to said region of interest,

comprising the steps of:

a) obtaining a digital first image containing said region of interest, said region of interest

represented by pixels having pixel values (see pages 11-4 to 11-5: specifying a regions of

interest);

b) defining a first closed curve forming a perimeter around said region of interest in said

first image (see page 14-348, 3rd paragraph: "BW = roipoly(I) display...add a vertex");

c) creating a second image comprising a plurality of pixels, said second image having a

boundary corresponding to at least a portion of said first image, wherein the first closed curve

around said region of interest in said first image is represented in said second image as a

matching second closed curve within said boundary in said second image (see page 14-348, 2nd

paragraph: "BW = roipoly(I,c,r) return the regions of interest...and 1's inside");

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d) assigning all pixels in said second image on said boundary and peripheral to said second closed curve with a first pixel value and assigning all pixels in said second image within the region bounded by said second closed curve a second pixel value (see page 14-348, 2^{nd} paragraph: "BW = roipoly(I,c,r) return the regions of interest...and 1's inside". Note 0's and 1's), and

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e) saving said second image with the pixel values assigned as in step (d) as a mask, wherein application of said mask to said first image deletes areas peripheral to said region of interest and leaves pixel values for said region of interest undisturbed (see pages 11-7 to 11-8 together with page 14-346).

Regarding claim 2, the Guide further teaches wherein step b) is performed by the steps of displaying said first image on display of a general-purpose computer and defining said first closed curve by user interaction with said general-purpose computer using user interface devices provided by said general purpose computer (see description of "roipoly" in page 11-348 to page 11-349: note "Backspace", "Delete", "shift-click", "right-click", "double-click", "Return" in page 11-348; and "mouse" in page 11-349. Also refer to page 11-4 to page 11-5).

Regarding claim 3, this claim is also rejected for the same reasons as set forth in claim 2 above.

Regarding claim 4, the Guide further teaches wherein said first image comprises an image of a biological specimen (see page 14-343: note figures).

Regarding claim 5, the Guide teaches wherein said image comprises a magnified image (see page 3-26 to page 3-27: note zooming).

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Regarding claim 6, wherein said second image comprises a rectangular image and wherein the boundary of said rectangular image is dynamically varied substantially simultaneous with the defining of the first closed curve in said first image to thereby insure that said second image completely encompasses said first closed curve (see description of *roipoly* in page 14-348 to page 14-349).

Regarding claims 7-12, it is noted that these claims recite similar features that called for in claims 1-6. Therefore, claims 7-12 are also rejected for the same reasons as set forth in claims 1-6 above.

The advanced statements as applied to claims 1-12 above are incorporated. The Guide further teaches machine readable instruction (see MATLAB mentioned in page 3-26), workstation and processing unit (these features are inherently included in the Guide in order for MATLAB, mouse, zoom, delete, backspace,... to be functioned) as required by claim 13.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Example of the same of invention of image processing is USPN 5,790,690 to Doi et al.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Duy M. Dang whose telephone number is 571-272-7389. The examiner can normally be reached on Monday to Friday from 6:00AM to 2:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew C. Bella can be reached on 571-272-7778. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

dmd 9/06

DUY M. DANG PRIMARY EXAMINER